

**ABSTRACT OF THE DISCLOSURE**

A brake assembly includes a brake pad movable on a support. The support is pivotally mounted to provide adjustment of an angle defined between the support and a centerline of a rotor. A force applied to the brake pad causes engagement between the rotor and the brake pad. A frictional force drives the brake pad along the support to increase the magnitude of braking force beyond the force applied by the actuator. The increase in braking force is proportionally controlled by adjusting the angle.